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S E C R E T

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COUNTRY Hungary/USSR

REPORT

SUBJECT

Aluminum
Plants at Ajka and Almasfüzitő

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reports on Hungarian aluminum plants situated at Ajka (N 47-06, E 17-34) and at Almasfüzitő (N 47-43, E 18-15). The reports contain mainly information on production, exports and power plants constructed for the exclusive purpose of serving the aluminum factories.

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H U N G A R Y

Economic

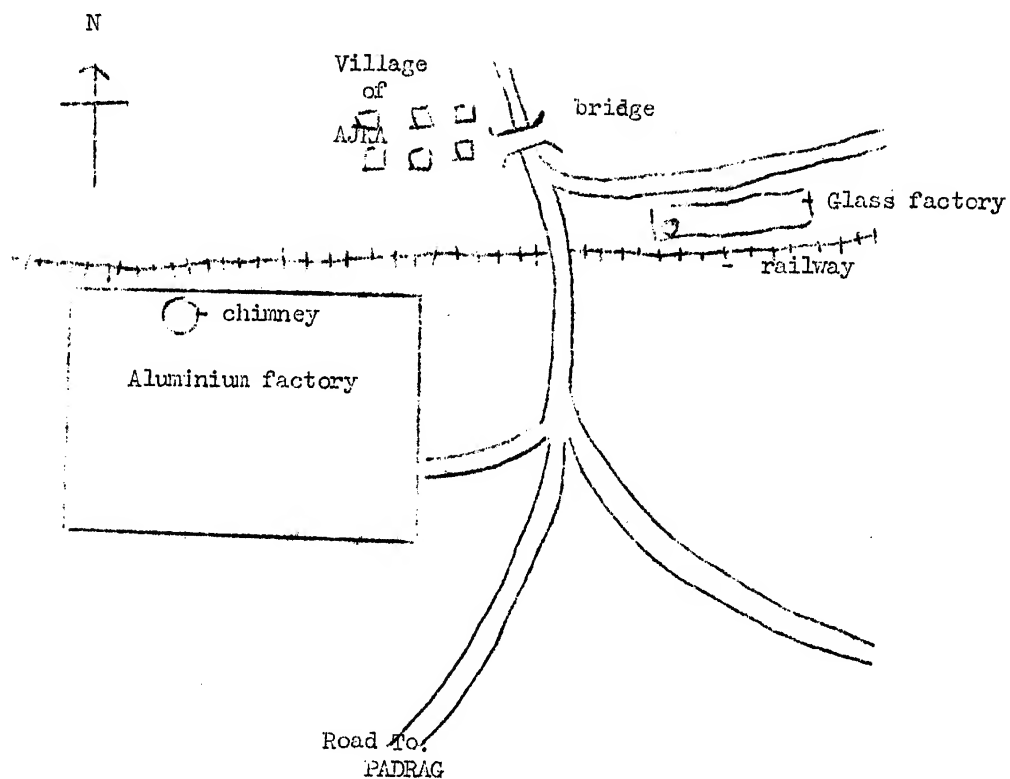
TIMFOLDGYAR ES ALUMINIUMKOKO at AJKA.

1. Location : On the railway line and approximately 500 metres south of the town of AJKA (See plan at App. A). The area of the factory is approximately 800 metres East/West by 500 metres North/South.
2. The factory was established in 1943 with German and Hungarian capital. In 1952 the plant was enlarged and extensions to it are not yet completed. The additions are to the original plant and do not form a completely new installation.
3. In 1956 about 2,000 workers were employed.
4. The maximum capacity of this factory is not known but during a normal working day about 200 tons of Bauxite are converted into aluminium. The finished product is in the form of blocks.
5. The bauxite is brought from the mines at PADRAG, about 10 kms South of the factory.
6. Power Station : A power station built for the factory adjoins it. It contains - a) 6 boilers
b) 3 generators viz. 2 GANZ, 1 BROWARIOV.
The capacity is 50 - 60 megawatts. It has one chimney approximately 80 metres in height.
7. A plan of the factory is attached at Appendix B.

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TIMFOLDGYAR ES ALUMINIUMKOKO
- AJKA



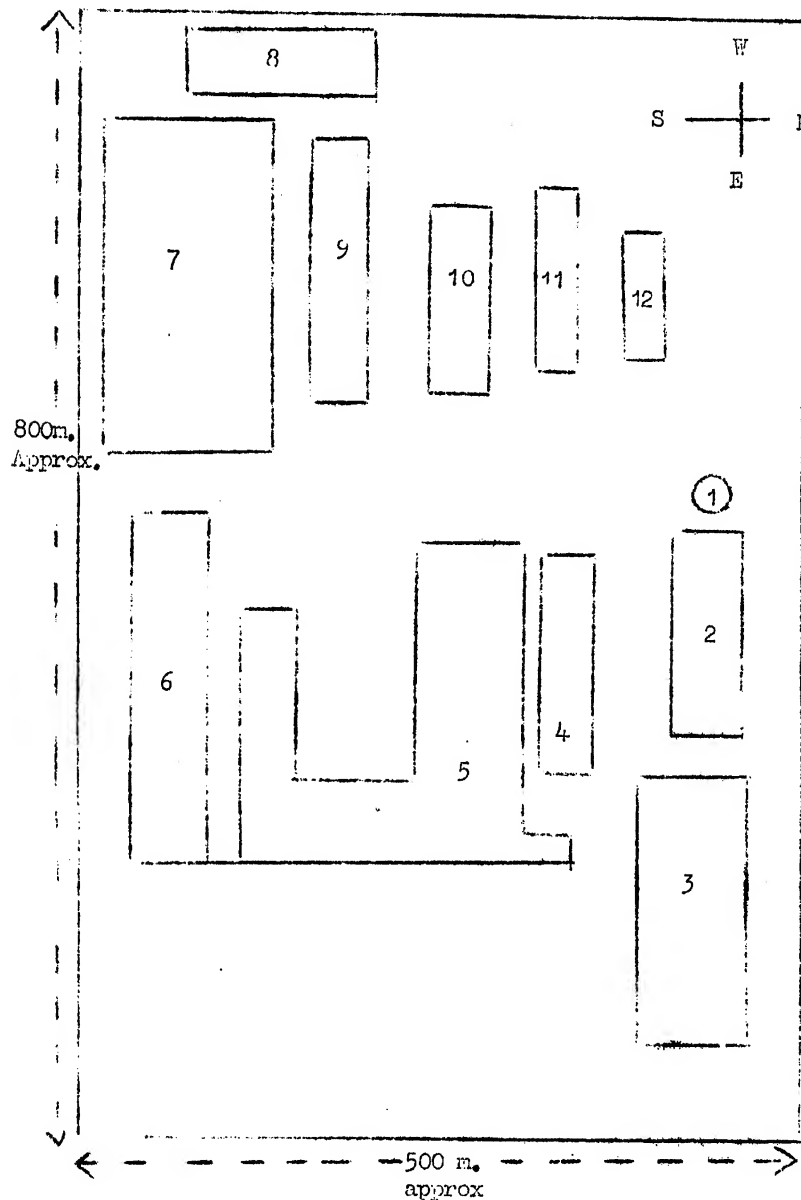
Factory to AJKA village - approximately 500 metres.

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TIMFOLDGYAR ES ALUMINIUMKOK - AJKA

NOT TO SCALE



1. Chimney
2. Boilers
3. Power Station
4. & 5. Stirring, Filtering and Finishing Processes
6. Recovery of Alkalies
7. & 9. Preparation and Mixing with Alkalies
8. Bauxite Store
10. Workshop
11. Generator
12. Compressor

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Aluminium Plant at ALMAFUSITO

1. This plant was started in 1950 and was owned jointly by the Russians and Hungarians. In 1954/55 the Russians withdrew from the management but continued to maintain control through the U.S.Z.I. in BUDAPEST.

2. PRODUCTION

In 1950 the output of alumina was 50,000 tons per year.

In 1954 the output was 100,000 tons per year and it is planned by 1960 to achieve a target of 110,000 tons.

3. This plant produces only alumina except for a small amount of V_2O_5 .

4. STOCK OF BAUXITE

Normally 15-35000 tons of bauxite is held as a stock but during the winter no supplies are received and the factory closes down for about two months.

5. DESTINATION of ALUMINA

In 1956, 60% of the output went to Russia. Of the remaining 40%, most of this went to the INOTAI ALUMINIUM KOHO and a small quantity to CZECHOSLOVAKIA and POLAND.

6. FINANCIAL SITUATION

Up to 1955, the entire output of alumina went to Russia who paid 926 florints per ton. The cost of production was 1,700 florints per ton; the difference in price being paid by the Hungarian Government to the factory. In spite of this, in 1955 the balance sheet for the factory showed a profit. This profit, however, was taken by the Russians.

7. POWER STATION.

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7. POWER STATION

A new power station has recently been completed for the supply of the factory. The output is about 3,000 K.W. The equipment is :

- a) Boilers - 4 50-ton SKODA
 2 25-ton ROCK
- b) 2 GANZ turbines
- c) 1 Chimney, 105m. in height.
- d) Cooling towers - 3 large (for cooling)
 1 small (for gas generator)
- e) Hungarian coal was used up to 1955, but since then oil is supplementary.

8. TRANSPORT

The factory is about 500 miles from the Danube but has no access to it. It is close to the main line railway and all transport is by rail.

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